

Amendments To the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): A digital camera system having a digital camera and a
2 computer for transferring pictures of images taken by the digital camera therebetween
3 comprising:

4 a card removably and directly coupled, without any intermediary device, between the
5 digital camera and the computer for temporarily storing the images by the digital camera and
6 for transferring the temporarily stored images to the computer for viewing, editing and
7 reproduction thereof, wherein the card is removably coupled to the computer for transferring
8 the images to the computer and further wherein the card includes an interface module for
9 receiving digital parallel images through a PCMCIA/CF interface and converting the same to
10 serial digital images for transfer thereof to the computer using a Universal Serial Bus (USB)
11 interface, the card further includes flash memory coupled to the PCMCIA/CF interface and
12 the interface module for temporarily storing the digital images and the card further includes a
13 common logic block for transferring the digital images between the flash memory and the
14 PCMCIA/CF interface and for further transferring the digital images between the interface
15 module and the flash memory.

Claim 2 (canceled).

Claim 3 (canceled).

Claim 4 (canceled).

Claim 5 (canceled).

Claim 6 (canceled).

Claim 7 (canceled).

Claim 8 (canceled).

Claim 9 (canceled).

1 Claim 10 (original): A digital camera system as recited in claim 9 wherein the common
2 logic block is shared between the PCMCIA/CF interface and the interface module thereby
3 avoiding duplication of the common logic block.

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1 Claim 11 (original): A digital camera system as recited in claim 10 wherein the common
2 logic block includes a microcontroller block for processing information received from the
3 computer, through the interface module, and the digital camera, through the PCMCIA/CF
4 interface, the common logic block further including a data buffer for temporarily storing
5 digital images retrieved from the flash memory, a task file for storing commands received
6 from the digital camera and the computer, and a CIS RAM/ROM for storing identification
7 information.

1 Claim 12 (original): A digital camera system as recited in claim 11 wherein the interface
2 module includes an application interface for initiating communication between the computer
3 and the microcontroller.

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1 Claim 13 (original): A digital camera system as recited in claim 12 wherein the USB
2 standard is defined to include a first mode of application specifying a first data transfer mode
3 and a second mode of application specifying a second data transfer mode, the interface

4 module including a USB engine coupled to computer and the application interface wherein
5 the USB engine operates to accommodate said first and second modes of application without
6 the need for any modifications to the card.

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1 Claim 14 (original): A digital camera system as recited in claim 13 wherein the first mode
2 of application is ATA and the second mode of application is bulk-only mass storage class.

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1 Claim 15 (original): A digital camera system as recited in claim 14 wherein the interface
2 module further includes a transceiver coupled between the computer and the USB engine for
3 converting digital images to analog images for transfer to the computer and for further
4 converting analog images to digital images for transfer to the digital camera, the interface
5 module further includes a serial interface engine for converting digital images in serial fashion
6 to digital images in parallel fashion and for further converting digital images in parallel
7 fashion to digital images in serial fashion.

Claim 16 (canceled).

Claim 17 (canceled).

Claim 18 (canceled).

1 Claim 19 (currently amended): A card for use in a digital camera, [system as recited in claim
2 18 wherein the controller includes a first interface module for causing communication
3 between the card and the digital computer through the PCMCIA/CF interface, a second
4 module for causing communication between the card and the computer through the USB
5 interface and a third module coupled to the first and second modules for causing images to be
6 transferred to the flash memory] the digital camera system having a digital camera and a
7 computer for transferring pictures of images taken by the digital camera between the digital
8 camera and the computer comprising:

9 a controller for controlling the transfer of images between the digital camera and the
10 computer by transferring images, in digital format, to the digital camera through a first
11 interface and for transferring the images to the computer through a second interface; and
12 flash memory for temporarily storing the images, wherein the card is removably and
13 directly coupled, without any intermediary device, between the digital camera and the
14 computer for temporarily storing the images and for transferring the temporarily stored
15 images to the computer for viewing, editing and reproduction thereof wherein the first
16 interface is a PCMCIA/CF interface and the second interface is a USB interface and further
17 wherein the controller includes a first interface module for causing communication between
18 the card and the digital camera through the PCMCIA/CF interface, a second module for
19 causing communication between the card and the computer through the USB interface and a
20 third module coupled to the first and second modules for causing images to be transferred to
21 the flash memory, the card further includes a common logic block for transferring the digital
22 images between the flash memory and the first module and for further transferring the digital
23 images between the second module and the flash memory, wherein the common logic block is
24 shared between the first module and the second module thereby avoiding duplication of the
25 common logic block.

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3 Claim 20 (original): A card for use in a digital camera system as recited in claim 19 wherein
4 the computer includes a screen viewable by a user of the computer, the card for causing an
5 icon to be shown on the screen when the card is coupled to the computer and for further
6 causing the icon not to be shown on the screen when the card is removed from the computer.

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3 Claim 21 (canceled).

1 Claim 22 (currently amended): A card for use in a digital camera system as recited in claim
2 [21] 19 wherein the common logic block includes a microcontroller block for processing
3 information received from the computer, through the second module, and information

received from the digital camera, through the PCMCIA/CF interface, the common logic block further including a data buffer for temporarily storing digital images retrieved from the flash memory, a task file for storing commands received from the digital camera and the computer, and a CIS RAM/ROM for storing identification information.

Claim 23 (currently amended): A card for use in a digital camera system as recited in claim 22 wherein the USB standard is defined to include a first mode of application specifying a first data transfer mode and a second mode of application specifying a second data transfer mode, the interface module including a USB engine coupled to computer and [the] an application interface wherein the USB engine operates to accommodate said first and second modes of application without the need for any modifications to the card.

Claim 24 (original): A card for use in a digital camera system as recited in claim 23 wherein the first mode of application is ATA and the second mode of application is bulk-only mass storage class.

Claim 25 (original): A card for use in a digital camera system as recited in claim 24 wherein the second module further includes a transceiver coupled between the computer and the USB engine for converting digital images to analog images for transfer thereof to the computer and for further converting analog images to digital images for transfer thereof to the digital camera, the second module yet further includes a serial interface engine for converting digital images in serial fashion to digital images in parallel fashion and for further converting digital images in parallel fashion to digital images in serial fashion.

Claim 26 (currently amended): A method of transferring pictures of images taken by [the] a digital camera between a digital camera and a computer comprising:
providing images in digital format to the digital camera through a first interface, the digital camera including a card that is removably coupled to the computer for transferring the images to the computer;

- 6 receiving digital parallel images through a PCMCIA/CF interface;
7 converting the received digital parallel images to serial digital images for transfer thereof to
8 the computer using a Universal Serial Bus (USB) interface;
9 temporarily storing the digital images in flash memory; and
10 transferring the stored images to the computer through a second interface directly and
11 without any intermediary device, between the digital camera and the computer.